

Abstract

A direct current contactor having at least one low current terminal and at least two high current terminals is disclosed. The low current terminal is
5 connected to a spring, which is nested in a chimney-shaped receptacle, where it is coupled to the contactor's coil. The chimney shaped receptacle also has a slot that receives a terminal blade that electrically connects the
10 spring to the coil. The housing of the solenoid is designed with longitudinally extending channels that receive the receptacles, which prevents the assembly from rotating within the housing unit. Each terminal is provided with ribbed and knurled areas to restrict rotation of the terminal in the housing and the mating
15 connection while tightening.